

ROLLING BEARING

Publication number: JP10030150

Publication date: 1998-02-03

Inventor: TAKEMURA HIROMICHI; MURAKAMI YASUO

Applicant: NIPPON SEIKO KK

Classification:

- international: F16C33/62; C22C38/00; C22C38/26; F16C33/62;
C22C38/00; C22C38/26; (IPC1-7): C22C38/00;
C22C38/26; F16C33/62

- European:

Application number: JP19960190664 19960719

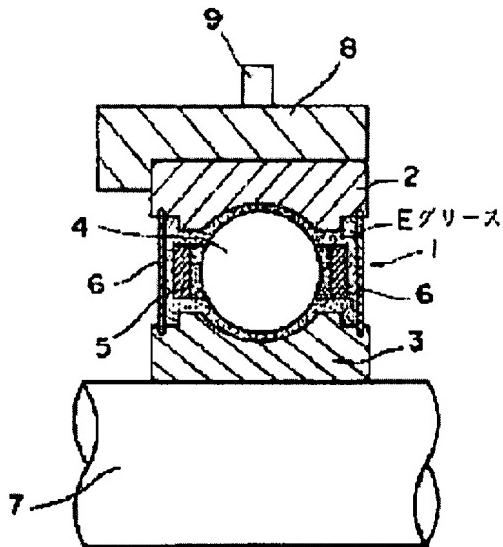
Priority number(s): JP19960190664 19960719

[Report a data error here](#)

Abstract of JP10030150

PROBLEM TO BE SOLVED: To superiorly prevent the occurrence of peeling in an early stage, caused by high vibration and high load, and to remarkably improve bearing life.

SOLUTION: A rolling bearing 1 is used by disposing plural rolling elements 4 between an outer ring (fixed ring) 2 and an inner ring (rotary ring) 3. In this case, the bearing steel at least of the outer ring 2 has an alloy composition containing, by weight ratio, 0.50-1.60% Cr and containing at least one kind among 0.02-0.10% Al, 0.005-0.02% N, 0.02-0.30% V, and 0.02-0.30% Nb and satisfying the relation of $0.08\% < \text{Al} + 4\text{N} + \text{V} + \text{Nb} < 0.8\%$.



Data supplied from the esp@cenet database - Worldwide